

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	3	US-5823265-\$.DID. OR US-6328109-\$.DID. OR US-6668935-\$.DID.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/18 10:48
S3	1	"10710753"	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/17 17:06
S4	583	166/386.ccls.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/18 10:48
S5	133	166/386.ccls. flapper	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/18 11:44
S6	20	cross ADJ flow ADJ (prevention OR preventing OR prevent)	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/18 11:46
S7	53	cross ADJ flow ADJ (prevention OR preventing OR prevent OR valve)	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/18 11:47
S8	2	166/319.ccls. 166/321. ccls. 166/332.8.ccls.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/18 12:02
S9	1108	166/319.ccls. OR 166/321.ccls. OR 166/332.8.ccls.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/18 12:02
S10	529	166/319.ccls. OR 166/321.ccls. 166/332.8. ccls.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/18 12:02
S11	4	166/321.ccls. 166/386. ccls. 166/313.ccls.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/18 12:42
S12	1041	166/321.ccls. OR 166/386.ccls. OR 166/313.ccls. (formation NEAR isolation)	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/18 13:11
S13	1034	166/321.ccls. OR 166/386.ccls. OR 166/313.ccls. crossflow NEAR system	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/18 13:12
S14	0	(166/321.ccls. OR 166/386.ccls. OR 166/313.ccls.) crossflow NEAR system	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/18 13:12

S15	0	(166/321.ccls. OR 166/386.ccls. OR 166/313.ccls.) (crossflow NEAR system)	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/18 13:12
S16	22	(166/321.ccls. OR 166/386.ccls. OR 166/313.ccls.) (crossflow)	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/18 13:12
S18	739	166/191.ccls. OR 166/374.ccls.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/18 13:42
S19	654	166/191.ccls. OR 166/374.ccls. system	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/18 13:43
S20	552	166/191.ccls. OR 166/374.ccls. system formations	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/18 13:43
S21	92	(166/191.ccls. OR 166/374.ccls.) system formations	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/18 14:07
S22	107	(166/191.ccls. OR 166/374.ccls.) (zone OR formation) isolation	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/18 14:08
S23	352	hydraulic isolation flapper	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/18 14:59
S24	245	hydraulic isolation flapper	USPAT; USOCR	AND	OFF	2006/07/18 14:59
S25	12	production ADJ zone isolation crossflow	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/07/18 15:34
S26	559	"166".clas. production ADJ zone isolation flow	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/07/18 15:50
S27	689	166/319.ccls. OR 166/374.ccls.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/18 17:19

S28	40	("2798561" "2951536" "2963089" "3412806" "3640341" "3912008" "4043392" "4143712" "4215746" "4280561" "4354554" "4356867" "4417600" "4420045" "4589482" "4624310" "4627492" "4979569" "5058673" "5090481" "5257663" "5263683" "5337827" "5518073" "5664629" "5810087" "5941308").PN. OR ("6227298").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/18 16:55
S29	0	hydraulic ADJ flapper ADJ valve	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/18 17:19
S30	4	hydraulic NEAR (flapper ADJ valve)	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/18 17:22
S31	140	166/332.8.ccls.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/18 17:23
S32	53	166/332.8.ccls. piston bias	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/18 18:18
S33	91	166/332.8.ccls. hydraulic	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/18 18:20
S34	68	166/332.8.ccls. hydraulic piston	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/18 18:20
S35	8	166/332.8.ccls. hydraulic NEAR piston	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/18 18:20
S36	1	("20060021757").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/14 09:50
S37	2	166/385,375.ccls. (crossflow OR cross- flow)	US-PGPUB; USPAT; USOCR	AND	OFF	2007/02/14 12:04
S38	10	166/385,375.ccls. (multiple ADJ formation)	US-PGPUB; USPAT; USOCR	AND	ON	2007/02/14 13:43
S39	145	"166".clas. (multiple ADJ formation)	US-PGPUB; USPAT; USOCR	AND	ON	2007/02/14 11:26
S40	211	"166".clas. (crossflow OR cross-flow)	US-PGPUB; USPAT; USOCR	AND	OFF	2007/02/14 12:04
S41	14	"166".clas. (crossflow OR cross-flow).clm.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/02/14 12:04
S42	10	"166".clas. ((crossflow OR cross-flow) NEAR (prevent OR prevention OR anti))	US-PGPUB; USPAT; USOCR	AND	ON	2007/02/14 13:43

S43	3	US-5823265-\$.DID. OR US-6328109-\$.DID. OR US-6668935-\$.DID. OR US-5823265-\$.DID. OR US-6328109-\$.DID. OR US-6668935-\$.DID.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/02/14 13:53
S44	721	166/316,319.ccls.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/11/13 10:45
S45	59	S44 (formations WITH (flow OR communication))	US-PGPUB; USPAT; USOCR	AND	OFF	2007/11/13 12:06
S46	73	"166".clas. (((cross ADJ flow) OR crossflow) WITH (formation OR formations))	US-PGPUB; USPAT; USOCR	AND	OFF	2007/11/13 12:07
S47	44	"166".clas. ((multi ADJ position) OR (multi- position) OR multiposition OR (multiple ADJ position) OR (multiple ADJ position)) ADJ (valve OR (flow ADJ control))	US-PGPUB; USPAT; USOCR	AND	OFF	2009/12/03 11:32
S48	52	"166".clas. ((multi ADJ position) OR (multi- position) OR multiposition OR (multiple ADJ position) OR (multiple ADJ position)) ADJ (valve OR (flow ADJ control))	US-PGPUB; USPAT; USOCR	AND	ON	2009/12/03 11:32
S49	9	("20020148610" "20030226665" "20030079878" "3282341" "5337808" "6227298" "6302216" "6318469").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/12/03 11:44

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	(multi-position cross- flow).clm.	USPAT; UPAD	AND	OFF	2009/12/08 12:14
L2	0	(multi-position cross- flow prevention).clm.	USPAT; UPAD	AND	OFF	2009/12/08 12:15
L3	1	(multi-position cross- flow first second). clm.	USPAT; UPAD	AND	OFF	2009/12/08 12:15

12/ 8/ 2009 12:15:40 PM

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crossflow preventer.wsp**